We claim:

1.   A method for correcting misregistration of scanned thin line character
components, comprising:

        detecting a misregistered pixel;

        determining whether the misregistered pixel is part of a character;

        applying a three-dimensional color vector determinant to the misregistered pixel;
and

        reducing the chrominance component of the misregistered pixel to provide a
corrected pixel.

2.   The method of claim 1 wherein said detecting include identifying a pixel as being
at an edge of an image portion.

3.   The method of claim 2 wherein said identifying includes identifying a pixel as
being at an edge of an image portion using a gradient edge detector, including selecting an image
kernel filter, having integer values GTE -2 and LTE +2, including zero, setting a predetermined
threshold, comparing the image filter kernel to the predetermined threshold, and classifying the
pixel as a misregistered pixel IFF the image filter kernel is greater than the predetermined
threshold.

4.   The method of claim 1 wherein said determining includes checking the gradient and checking the luminance of a pixel.

5.   The method of claim 1 wherein said reducing includes reducing the chrominance component of the misregistered pixel to provide a corrected pixel with a fuzzy chrominance reduction function.

6.   The method of claim 1 which further includes locating an edge pixel position and classifying the edge position pixel as a text region.

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7.   A method for correcting misregistration of scanned thin line character components, comprising:

detecting a misregistered pixel, including identifying a pixel as being at an edge of an image portion;

5   determining whether the misregistered pixel is part of a character, including checking the gradient and checking the luminance of a pixel;

applying a three-dimensional color vector determinant to the misregistered pixel; and

reducing the chrominance component of the misregistered pixel to provide a
10   corrected pixel.

8.   The method of claim 7 wherein said identifying includes identifying a pixel as being at an edge of an image portion using a gradient edge detector, including selecting an image kernel filter, having integer values GTE -2 and LTE +2, including zero, setting a predetermined
15   threshold, comparing the image filter kernel to the predetermined threshold, and classifying the pixel as a misregistered pixel IFF the image filter kernel is greater than the predetermined threshold.

9.   The method of claim 7 wherein said reducing includes reducing the chrominance
20   component of the misregistered pixel to provide a corrected pixel with a fuzzy chrominance reduction function.

10.   The method of claim 7 which further includes locating an edge pixel position and classifying the edge position pixel as a text region.

11.   A method for correcting misregistration of scanned thin line character components, comprising:

detecting a misregistered pixel, including identifying a pixel as being at an edge of an image portion, wherein said identifying includes identifying a pixel as being at an edge of an image portion using a gradient edge detector, including selecting an image kernel filter, having integer values GTE -2 and LTE +2, including zero, setting a predetermined threshold, comparing the image filter kernel to the predetermined threshold, and classifying the pixel as a misregistered pixel IFF the image filter kernel is greater than the predetermined threshold;

determining whether the misregistered pixel is part of a character, including checking the gradient and checking the luminance of a pixel;

applying a three-dimensional color vector determinant to the misregistered pixel; and

reducing the chrominance component of the misregistered pixel to provide a corrected pixel.

12.   The method of claim 11 wherein said reducing includes reducing the chrominance component of the misregistered pixel to provide a corrected pixel with a fuzzy chrominance reduction function.

13.   The method of claim 11 which further includes locating an edge pixel position and classifying the edge position pixel as a text region.

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